

energizable nuclear elements could be constrained to a preferred orientation yielding a preferred direction of the collision products and again, a nuclear jerk in a preferred direction ...".

2) "A refractive medium can intercept the oppositely or forward-directed GW and those rays can be bent or refracted . . ."

C. Page 17, line 32: "or superconducting coupled microwave cavities".

Applicant respectfully disagrees with the characterization of "or an electromagnetic field" as being new matter. The Examiner's attention is directed to the specification as originally filed, specifically page 4, lines 18 to 21. As indicated therein, "In the preferred embodiment, the nuclei are aligned or constrained as the spin or some other nuclear condition by being placed in an electromagnetic field, in a super conducting state, spin polarized, etc."

With respect to the alleged new matter on page 13, lines 10 to 24 and page 13, lines 34 to page 14, line 6, the Examiner's attention is directed to the original specification page 7, lines 25 to 32. Without quoting that language word for word, it is submitted that target mass energizable elements are disclosed in the original specification, at page 7 lines 25 to 32, and are characterized as back scattered particles, nuclear reaction products, high-energy photons, sputtered particles, and recoil atoms. These are all high-energy nuclear particle elements. Please also refer to page 19, lines 16 to 20, "The specific relationship for GW generation by energizing elements such as particle-beam particles, colliding with energizable elements, such as aligned target nuclei, will be an outcome of the use of the present invention described herein."

Further, please refer to the original specification, page 13, lines 22 to 34 and page 14, lines 1 and 2. As indicated therein. "In